

1. (Currently amended): A high fat feed supplement for an animal comprising acidulated soapstock, a low moisture, high fat ingredient comprising fat, protein and fiber, one or more liquid feed ingredients, a metal oxide, and soy flour, wherein the final fat content of said high fat feed supplement is from at least about 11% to about 30% by weight.

2. (Previously presented): The high fat feed supplement of claim 1, further comprising one or more ingredients selected from the group consisting of salts, vitamins, minerals, grains or grain byproducts, urea, and water.

Claims 3-6 (Canceled).

7. (Previously Presented): The high fat feed supplement of claim 1, wherein the final fat content of said high fat feed supplement is from at least about 15% to about 25% by weight.

8. (Previously Presented): The high fat feed supplement of claim 1, wherein the final fat content of said high fat feed supplement is from at least about 16% to about 20% by weight.

9. (Previously Presented): The high fat feed supplement of claim 1, wherein said low moisture, high fat ingredient comprises about 18% crude fat, about 17% crude protein, about 4% starch, and about 18% crude fiber.

10. (Previously Presented): The high fat feed supplement of claim 1, wherein said low moisture, high fat ingredient is selected from the group consisting of a high fat product blend of corn and soybean co-products, cottonseed, and soybeans.

11. (Previously Presented): The high fat feed supplement of claim 1, wherein said metal oxide is selected from the group consisting of magnesium oxide and calcium oxide.

12. (Previously Presented): The high fat feed supplement of claim 11, wherein said metal oxide is magnesium oxide.
13. (Previously Presented): The high fat feed supplement of claim 12, wherein said magnesium oxide content is from about 5% to about 7%.
14. (Previously Presented): The high fat feed supplement of claim 1, wherein said one or more liquid feed ingredients are selected from the group consisting of cane molasses, beet molasses, condensed distiller solubles, soy molasses, concentrated whey, corn steep liquor, and fermentation byproduct liquids.
15. (Previously Presented): The high fat feed supplement of claim 14, wherein said one or more liquid feed ingredients are cane molasses and condensed distiller solubles.
16. (Previously Presented): The high fat feed supplement of claim 15, wherein the cane molasses content is from about 3% to about 5%, and the condensed distillers solubles content is from about 3% to about 6%.
17. (Previously Presented): The high fat feed supplement of claim 1, wherein the acidulated soapstock content is from about 10% to about 20%.
18. (Previously Presented): The high fat feed supplement of claim 1, wherein said high fat feed supplement further comprises one or more ingredients selected from the group consisting of salt, calcium sulfate, fine limestone, distillers dried grains, wheat midds, soybean meal, cottonseed meal, urea, biuret, corn gluten feed, soy hulls, ground corn, grain byproducts, minerals, and dry vitamins.
19. (Previously Presented): The high fat feed supplement of claim 18, wherein said one or more ingredients are salt, distillers dried grains, and minerals.

20. (Previously Presented): The high fat feed supplement of claim 19, wherein the salt content is from about 6% to about 7%, the distillers dried grains content is from about 0.5% to about 10%, the mineral content is from about 4% to about 5%.
21. (Previously Presented): The high fat feed supplement of claim 19 further comprising wheat midds and urea, wherein the wheat midds content is about 16%, and the urea content is from about 1% to about 2%.
22. Cancelled.
23. (Currently Amended): The high fat feed supplement of claim 22¹, wherein the ~~unclassified~~ soy flour content is from about 10% to about 30%.
24. (Previously Presented): The high fat feed supplement of claim 1, wherein said animal is a beef producing animal.
25. (Previously Presented): The high fat feed supplement of claim 1, wherein said animal is a dairy cow.
26. (Previously Presented): The high fat feed supplement of claim 1, wherein said high fat feed supplement is in block form.
27. (Previously Presented): The high fat animal feed supplement of claim 1, wherein said high fat feed supplement is contained in a tub.
28. (Previously Presented): A method of providing a high fat diet supplement to an animal comprising providing to said animal the high fat feed supplement of claim 1.
29. (Previously Presented): The method of claim 28, wherein said animal is a beef producing animal.

30. (Previously Presented): The method of claim 28, wherein said animal is a dairy cow.
31. (Previously Presented): The method of claim 28, wherein said high fat feed supplement is provided to said animal in a free-choice feeding regimen.
32. (Previously Presented): The method of claim 28, wherein said high fat feed supplement is contained in a tub.
33. (Previously Presented): The method of claim 28, wherein said high fat feed supplement is in the form of a block.
34. (Previously Presented): A method of making a high fat feed supplement for an animal comprising mixing dry ingredients comprising soy flour, a metal oxide, and a low moisture, high fat ingredient comprising fat, protein and fiber, with acidulated soapstock and liquid feed ingredients, wherein the final fat content of said high fat feed supplement is from at least about 11% to about 30% by weight.
35. (Previously Presented): The method of claim 34, wherein said acidulated soapstock is heated to a temperature of from about 140°F to about 160°F prior to mixing with the dry ingredients.
36. (Previously Presented): The method of claim 35, wherein the acidulated soapstock is mixed with the dry ingredients prior to mixing with the liquid ingredients.
37. (Previously Presented): The method of claim 34, further comprising dispensing a desired amount of said high fat feed supplement into a tub container, and pressing the high fat feed supplement in said tub container to a predetermined density.
38. (Previously Presented): The method of claim 37, wherein said predetermined density is between about 82 and about 87 lbs/ft³.

39. (Previously Presented): The method of claim 37, wherein the dispensing is performed by placing the high fat feed supplement in a loss-in-weight feeder.
40. (Previously Presented): The method of claim 34, further comprising leveling the surface of the high fat feed supplement in said tub container prior to pressing.
41. (Previously Presented): The method of claim 34, wherein the final fat content of said high fat feed supplement is from at least about 15% to about 25% by weight.
42. (Previously Presented): The method claim 34, wherein the final fat content of said high fat feed supplement is from at least about 16% to about 20% by weight.
43. (Previously Presented): The method of claim 34, wherein said low moisture, high fat ingredient comprises about 18% crude fat, about 17% crude protein, about 4% starch, and about 18% crude fiber.
44. (Previously Presented): The method of claim 34, wherein said low moisture, high fat ingredient is selected from the group consisting of a high fat product blend of corn and soybean co-products, cottonseed, and soybeans.
45. (Previously Presented): The method of claim 34, wherein said metal oxide is selected from the group consisting of magnesium oxide and calcium oxide.
46. (Previously Presented): The method of claim 45, wherein said metal oxide is magnesium oxide.
47. (Previously Presented): The method of claim 46, wherein said magnesium oxide content is from about 5% to about 7%.
48. (Previously Presented): The method of claim 34, wherein said one or more liquid feed ingredients are selected from the group consisting of cane molasses, beet

molasses, condensed distiller solubles, soy molasses, concentrated whey, corn steep liquor, and fermentation byproduct liquids.

49. (Previously Presented): The method of claim 48, wherein said one or more liquid feed ingredients are cane molasses and condensed distiller solubles.

50. (Previously Presented): The method of claim 49, wherein the cane molasses content is from about 3% to about 5%, and the condensed distillers solubles content is from about 3% to about 6%.

51. (Previously Presented): The method of claim 34, wherein the acidulated soapstock content is from about 10% to about 20%.

52. (Previously Presented): The method of claim 34, wherein said high fat feed supplement further comprises one or more ingredients selected from the group consisting of salt, calcium sulfate, fine limestone, distillers dried grains, wheat midds, soybean meal, cottonseed meal, urea, biuret, corn gluten feed, soy hulls, ground corn, grain byproducts, minerals, and dry vitamins.

53. (Previously Presented): The method of claim 52, wherein said one or more ingredients are salt, distillers dried grains, and minerals.

54. (Previously Presented): The method of claim 53, wherein the salt content is from about 6% to about 7%, the distillers dried grains content is from about 0.5% to about 10%, the mineral content is from about 4% to about 5%.

55. (Previously Presented): The method of claim 54, further comprising wheat midds and urea, wherein the wheat midds content is about 16%, and the urea content is from about 1% to about 2%.

56. (Previously Presented): The method of claim 34, wherein said soy flour is unclassified soy flour.

57. (Previously Presented): The method of claim 56, wherein the unclassified soy flour content is from about 10% to about 30%.

58. (Previously Presented): The method of claim 34, wherein said high fat feed supplement is in block form.

59. (Previously Presented): A high fat feed supplement for an animal produced by the method of claim 34.